

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/601084
Source: IFND
Date Processed by STIC: 5/6/5

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 05/06/2005

PATENT APPLICATION: US/10/601,084

TIME: 08:48:49

Input Set : A:\P54997us.txt

Output Set: N:\CRF4\05062005\J601084.raw

3 <110> APPLICANT: Universiteit Leiden
 4 Stichting Binair Vector Systeem
 5 Hooykaas, Paul J.J.
 6 Attikum van, Haico
 7 Bundock, Paul
 9 <120> TITLE OF INVENTION: Nucleic acid integration in eukaryotes
 11 <130> FILE REFERENCE: P54997CA00
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/601,084
 14 <141> CURRENT FILING DATE: 2003-06-20
 16 <150> PRIOR APPLICATION NUMBER: EP 00204693.6
 17 <151> PRIOR FILING DATE: 2000-12-22
 19 <150> PRIOR APPLICATION NUMBER: PCT/NL01/00936
 20 <151> PRIOR FILING DATE: 2001-12-21
 22 <160> NUMBER OF SEQ ID NOS: 37
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 18
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: primer hdf1p1
 34 <220> FEATURE:
 35 <221> NAME/KEY: misc_feature
 36 <222> LOCATION: (1)..(18)
 38 <400> SEQUENCE: 1
 39 gggattgctt taaggtag 18
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 18
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Artificial Sequence
 47 <220> FEATURE:
 48 <221> NAME/KEY: misc_feature
 49 <222> LOCATION: (1)..(18)
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Description of Artificial Sequence: primer hdf1p2
 54 <400> SEQUENCE: 2
 55 caaataccct accctacc 18
 58 <210> SEQ ID NO: 3
 59 <211> LENGTH: 21
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Description of Artificial Sequence: primer dnl4p1

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67 <221> NAME/KEY: misc_feature
68 <222> LOCATION: (1)..(21)
70 <400> SEQUENCE: 3
71 cgtaagattc gccgagtata g 21
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 21
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: primer dnl4p2
82 <400> SEQUENCE: 4
83 cgtttcaaat gggaccacag c 21
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 19
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: primer kanmxxp1
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (1)..(19)
98 <400> SEQUENCE: 5
99 agactcacgt ttcgaggcc 19
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 20
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: primer kanmxxp2
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <222> LOCATION: (1)..(20)
114 <400> SEQUENCE: 6
115 tcaccgaggc agttccatag 20
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 22
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: primer kanmxxp3
126 <220> FEATURE:
127 <221> NAME/KEY: misc_feature
128 <222> LOCATION: (1)..(22)
130 <400> SEQUENCE: 7
131 tcgcaggtct gcagcgagga gc 22
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 23
136 <212> TYPE: DNA

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137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: primer kanmvp4
142 <220> FEATURE:
143 <221> NAME/KEY: misc_feature
144 <222> LOCATION: (1)..(23)
146 <400> SEQUENCE: 8
147 tcgcctcgac atcatctgcc cag 23
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 22
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: primer kanmvp5
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (1)..(22)
162 <400> SEQUENCE: 9
163 tcacatcatg cccctgagct gc 22
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 31
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
173 fragment derived from a junction sequence
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (1)..(31)
178 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide
179 sequence"
181 <400> SEQUENCE: 10
W--> 182 caggatatat tcaattgtaa atctcncgag g 31
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186 <211> LENGTH: 37
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
192 fragment derived from a junction sequence
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (1)..(37)
197 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide
198 sequence"
200 <400> SEQUENCE: 11
W--> 201 attgtattat atattcaatt gtaaattctcn cgaggta 37
204 <210> SEQ ID NO: 12
205 <211> LENGTH: 33

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206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
211     fragment derived from a junction sequence
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (1)..(33)
216 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide
217     sequence"
219 <400> SEQUENCE: 12
W--> 220 tgtgggtgtg attcaattgt aaatctcncg agg                      33
223 <210> SEQ ID NO: 13
224 <211> LENGTH: 35
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
230     fragment derived from a junction sequence
232 <220> FEATURE:
233 <221> NAME/KEY: misc_feature
234 <222> LOCATION: (1)..(35)
235 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide
236     sequence"
238 <400> SEQUENCE: 13
W--> 239 gggggcatca gtattcaatt gtaaattctcn cgagg                    35
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243 <211> LENGTH: 39
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
249     fragment derived from a junction sequence
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (1)..(39)
255 <400> SEQUENCE: 14
256 gaggtagatg tgagagagtg tgtgtgggtg tgaagtcga                    39
259 <210> SEQ ID NO: 15
260 <211> LENGTH: 35
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
266     fragment derived from a junction sequence
268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
270 <222> LOCATION: (1)..(35)
271 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide

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Input Set : A:\P54997us.txt

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272     sequence"
274 <400> SEQUENCE: 15
W--> 275 tctggtagat atattcaatt gtaaattctcn cgagg           35
278 <210> SEQ ID NO: 16
279 <211> LENGTH: 35
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
285     fragment derived from a junction sequence
287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <222> LOCATION: (1)..(35)
290 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide
291     sequence"
293 <400> SEQUENCE: 16
W--> 294 cacatatattc tcattcaatt gtaaattctcn cgagg           35
297 <210> SEQ ID NO: 17
298 <211> LENGTH: 35
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
304     fragment derived from a junction sequence
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (1)..(35)
309 <223> OTHER INFORMATION: /note="Wherein N stands for any nucleotide
310     sequence"
312 <400> SEQUENCE: 17
W--> 313 cgactacttt atatccaatt gtaaattctcn cgagg           35
316 <210> SEQ ID NO: 18
317 <211> LENGTH: 35
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: part of a PCR
323     fragment derived from a junction sequence
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (1)..(35)
328 <223> OTHER INFORMATION: note="Wherein N stands for any nucleotide
329     sequence"
331 <400> SEQUENCE: 18
W--> 332 gaagaacca ttattcaatt gtaaattctcn cgagg           35
335 <210> SEQ ID NO: 19
336 <211> LENGTH: 35
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/601,084

DATE: 05/06/2005
TIME: 08:48:50

Input Set : A:\P54997us.txt
Output Set: N:\CRF4\05062005\J601084.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 26
Seq#:11; N Pos. 30
Seq#:12; N Pos. 28
Seq#:13; N Pos. 30
Seq#:15; N Pos. 30
Seq#:16; N Pos. 30
Seq#:17; N Pos. 30
Seq#:18; N Pos. 30
Seq#:19; N Pos. 30
Seq#:20; N Pos. 30
Seq#:21; N Pos. 30
Seq#:22; N Pos. 30
Seq#:25; Xaa Pos. 320

VERIFICATION SUMMARY

DATE: 05/06/2005

PATENT APPLICATION: US/10/601,084

TIME: 08:48:50

Input Set : A:\P54997us.txt

Output Set: N:\CRF4\05062005\J601084.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:304